DEPARTMENT OF ENERGY STARS

Interface Descriptions

Interface	Description	Frequency	Data Flow	Comments
M&O Integrated Contractor (IC)				
The M&O Integrated Contractor (IC) interface is needed to bring in accounting data representing a net change in the value for a given Accounting Flexfield / Code string for the government owned, contractor operated organizations that operate under DOE. It generates Receipts and Return Receipts in the Purchasing Module, Invoices and Credit Memos in the Accounts Payable Module, and direct General Ledger Entries.				
Individual Integrated Contractors	The Integrated Contractor Interface loads data supplied by the Department of Energy's (DOE) integrated contractors based upon the SGL/Fund Code combination of the records.	Monthly	In	Interfaces to General Ledger, Accounts Payable, and Purchasing modules.
DOEinfo – Labor Distribution System (LDS)				
STARS Feed	Payroll data	Weekly	Out	Three extract files containing tasks, job order numbers, and program values are transferred to the Headquarters Payroll Office.
LDS Interface	The LDS Interface extracts transactions for a specific pay period and allottees from the DOEinfo Corporate Repository located at DOE HQ.	Bi-weekly	In	Interfaces to General Ledger. Creates General Ledger journal entries to record payroll costs for the pay period, record accruals, reverse previous accruals, and commit funds for future payroll.
Funds Distribution System (FDS)				
Allotment	FDS will extract any changes to the allotments.	As needed	In	With the implementation of STARS, the allotment interface will execute whenever there is an Allotment approval and could

Interface	Description	Frequency	Data Flow	Comments
				be daily during periods of Continuing Resolutions. Only the changes, not the entire Allotment file, will be transferred.
Apportionment	FDS will extract any changes to the apportionments	As needed	In	With the implementation of STARS, only the changes will be transferred to STARS not the entire Apportionment file.
Approved Funding Program (AFP), Base Table, Project Title, and Prior Year Projects	These interfaces will provide the final month-end "snapshot" of data for use in STARS reporting. Interim changes in the AFP, Base Table, or Project information during a month will not be needed, only the final month-end data is required.	Monthly	In	Not processed into STARS; retained for reporting only
Unobligated Carryover	STARS interfaces to FDS to pass Unobligated Carryover.	Executed annually	Out	
Prior Year Deobligations	STARS interfaces to FDS to pass Prior Year Deobligations	Executed Monthly	Out	
Program (B&R) Values	STARS interfaces to FDS to pass Prior Year Deobligations	On-Demand	Out	
Field Budget Systems (FCDS, BEFS)	The Field Budget systems (FCDS, BEFS) interface with STARS to transfer specific funding allocations.	On-Demand and could be daily during peak periods.	In	Interfaces to the General Ledger.
AFF Values Interface	STARS will provide access to	On Demand	Query	

Interface	Description	Frequency	Data Flow	Comments
	the AFF(Accounting Flexfield) segment values to enable FDS to maintain Fund Code and Allottee values in FDS, and to maintain crosswalk tables for producing the Field Budget files in STARS format.			
EC-Web/SPS (Small Purchase System) DOE/C-WEB and the Small Purchase System (SPS) are electronic commerce applications used by DOE for procurement actions up to $100,000 and $5,000,000 respectively. Each system interfaces with the Financial Systems to check availability of funding (Funds Control), Commit and Obligate funding, and update the obligation with the vendor profile when the procurement is awarded to a vendor. Each of these specific functions is treated as a separate interface between the STARS and DOE/C-WEB & SPS servers.				
Allocation Interface	The small purchase systems will extract the data from STARS	On-demand	Query	DOE/C Web and SPS access STARS data on demand.
Status of Funds Allocation	Will be accomplished by allowing the small purchase systems to extract data from STARS.	On-demand	Query	
PO/Award Allocation	Files will require processing to be on-demand, multiple times a day. Includes both inbound and outbound data processing	On-demand	In/Out	Creates, updates, or cancels Purchase Orders in the Purchasing module.
The Approving Official Interface	will extract the data from STARS	On-demand	Query	

Interface Descriptions

Interface	Description	Frequency	Data Flow	Comments
The Program Official Interface	The small purchase systems will extract the data from STARS.	On-demand	Query	
The Vendor Interface	The small purchase systems will extract the data from STARS .	On-demand	Query	
Non-Integrated Contractor (Non-IC)				
Individual Non-Integrated Contractors	The Non-Integrated Contractor Interface loads cost data supplied by the Department of Energy's (DOE) Non-integrated contractors into STARS.	Monthly, sometimes more often	In	Detailed accounting transaction data is loaded into Accounts Payable, Accounts Receivable, Purchasing, and General Ledger.
FCDS and BEARS Field Budget Systems	FCDS and BEARS Field Budget Systems interface to STARS to add, update, cancel POs, and create new commitments.	FCDS and BEARS may feed STARS daily or several times a month.		
Government Transportation System (GTS)				
The GTS interface provides data relating to airline tickets issued to DOE travelers by their site's travel agent. The interface processes the site's GTS airline tickets and updates ticket information and generates Invoice and Receipt transactions within the STARS. Two interfaces will be developed for this financial process.				
Weekly	Executed weekly against a	Weekly	In	Tickets issued from the travel agent. Data

Interface	Description	Frequency	Data Flow	Comments
	GTS weekly file which contains detailed ticket data.			is used to populate Purchasing.
Monthly	Interface that will be executed once a month against the GTS monthly file, which contains invoiced ticket data reconciled by the travel agent	Monthly	In	Invoiced ticket data reconciled by the travel agent (2 DOE accounts). Data is used to populate Purchasing and Accounts Payable.
ASAP (Automated Standard Application for Payment) – Payments The Treasury's ASAP system allows grantee organizations receiving Federal funds to draw from accounts pre-authorized by Federal Agencies. In addition, the ASAP makes payments to financial agents that are performing financial services for the Financial Management Service (FMS) and other Federal Agencies. Two interfaces will be developed for this financial process. An outbound interface from the STARS to the Treasury involving obligation transactions and an inbound interface from the Treasury to the STARS involving payment transactions.				
ASAP-to-STARS Payment Interface	The Inbound payment file will contain all of the Department's data within one file, and will occur based on the request of the user community.	On-demand, daily	In	User requests draw down reports for specific grants from Treasury ASAP system; a nightly batch process transmits a payment file to DOE. Receipts and invoices will be created in the Purchasing and Accounts Payable Modules.
ASAP-to-STARS Report Requests	The users can request reports from the ASAP used to reconcile the data between the STARS and the ASAP	On-demand, daily	In	User requests "Average Day Analysis by Account –ID Report" from Treasury ASAP system; a nightly batch process transmits the report file to DOE. Data is

Interface	Description	Frequency	Data Flow	Comments
	systems. These reports come in the form of data files and are transferred using the same mechanisms as the interface files.			used for reporting only.
ASAP (Automated Standard Applications for Payment) – Obligations	The obligation file will be scheduled to execute nightly and may not generate any files or it can generate up to fourteen (14) separate files; one for each STARS Allottee based on activity. Note: when processing the STARS outbound Obligation file, the ASAP system will transmit an acknowledgement file back to the STARS.	On-demand, daily	Out	Grant activity is extracted from STARS, one flat file per allottee (0-14) and transmitted to the Federal Reserve Bank (FRB) in Richmond.
Intra-Governmental Payment and Collection System (IPAC)				
	IPAC is a government-owned internet application that performs intra-governmental funds transfers. The Department of Treasury's IPAC application enables users to enter transactions online or through bulk file transmission. Oracle Federal	Several times a week	Out	On-line request to select IPAC transactions and include selected transactions in a "Bulk" file for submission to Treasury.

Interface	Description	Frequency	Data Flow	Comments
	Financials produces an IPAC bulk file for Accounts Receivable and/or Accounts Payable transactions when generating bills to other federal agencies. Bulk file transmission includes building a file from the user's accounting systems and transmitting the file to the Department of Treasury through the IPAC application.			
Corporate Human Resource Information System (CHRIS)				
	Processes employee's training expenses, and creates the accounting Purchasing (obligation) transactions required. Three files will be generated daily by the CHRIS system and processed by this interface. The files represent the training activity at the three DOE Service Centers, NNSA/ALO, ORO, and	Daily	In	Data is used to create Purchase Orders, update existing Purchase Orders, or cancel Purchase Orders .

Interface Descriptions

Interface	Description	Frequency	Data Flow	Comments
	Headquarters CAC.			
DOE info- Employee				
	The Employee Interface extracts employee records for all DOE employees from the DOEinfo Corporate Repository located at DOE HQ. It will add new employees, update information for existing employees, and report employees that are candidates for deletion from STARS.	Weekly	In	Extracts employee data from DOEinfo and updates Employee HR tables, Banking information, and Vendor tables.
Travel Manager ™				
Travel Authorizations	Document type	On demand, multiple times per day	In	The Travel Authorizations interface is run to create or update Purchase Orders.
Travel Vouchers	Document type	On demand, multiple times per day	In	The Travel Vouchers interface is run to create or update Purchase Orders, Receipts, and Invoices..
Travel Local Vouchers	Document type	On demand, multiple times per day	In	The Travel Local Vouchers interface is run to create or update Purchase Orders, Receipts, and Invoices .

Interface Descriptions

Interface	Description	Frequency	Data Flow	Comments
ECS (Electronic Certification System)				
	The ECS interface is only used as a backup method for transmitting payment files to Treasury in the event Host-to-Host capabilities are unavailable for an extended period of time. Stand-alone secure PCs are used to access the Treasury ECS application to certify payments sent to Treasury via Host-to-Host.			
BOA (Bank of America) Electronic Invoice				
	This interface process was designed to automate and aid the users in the receipt, processing, reconciliation, and payment of the government purchase card invoice. It is exclusively geared to the electronic file format of the Bank of America (BOA) purchase card invoices. The Travel Purchase Card files are used as additional data input	Monthly	In	No transactions are generated in STARS. Travel Purchase Card files are used in the Stat Smapling process.

Interface Descriptions

Interface	Description	Frequency	Data Flow	Comments
	for the Statistical Sampling Process. At this time, no direct interface to the STARS Tables for the purposes of updates, additions, or deletions will occur. The Interface transfers all Electronic files from the BOA. Currently, only the Travel Purchase Card files are used as part of the Stat Sampling process.			
Host-to-Host (H2H)				
	Within its standard reports, the STARS system will produce payment files for each necessary payment file format. These payment files will then be transmitted to the U.S. Treasury for processing.	On-demand, multiple times per day	In/Out	Payment batches are setup and output files are transferred to Treasury.
Working Capital Fund (WCF)				
	The Working Capital Fund Interface processes files received both weekly and	Weekly and monthly	In	End user manually submits a request to load WCF file. The interface generates General Ledger journal entries.

Interface	Description	Frequency	Data Flow	Comments
	monthly from the Working Capital Fund system located at DOE Headquarters, and creates General Ledger journal entries in STARS.			
VIPERS (Vendor Inquiry Payment Electronic Reporting System)				
	VIPERS is an interface designed to be used by vendors in order to retrieve invoicing information. Vendors can query STARS using the VIPERS interface to find out the current status of any invoice submitted	On-demand	Query	The VIPERS application accesses STARS Purchasing and Accounts Payable information.
1099 Process (Year 1 only)				
	The 1099 interface produces 1099-Misc, 1099-G (Grant), files for submission to IRS.	One time	Out	Data from DISCAS and STARS are consolidated for submission to the IRS.
Field Budget File Conversion				
	DOE offices without an external field budget system will be using the Oracle Application Desktop Integrator (ADI) to load budget entries into STARS General Ledger module.	Monthly	In/Out (to flat file for ADI)	Converts the data file distributed by FDS into a comma-delimited file suitable for use with ADI.

Interface Descriptions

Interface	Description	Frequency	Data Flow	Comments
	To facilitate the use of ADI, this process will convert the Field Budget file distributed by FDS into a comma-delimited file for use with ADI.			